

Application No. 10/776,736

Reply to Office Action

*AMENDMENTS TO THE SPECIFICATION**At page 2, replace line 9 with:*~~breasts~~ breast images are acquired in a similar manner, and it is in*At page 2, replace line 29 with:*~~image~~ images respectively, means to identify the thorax side automatically*At page 3, replace line 25 with:*therefore ~~consist~~ consists in detecting the orientation as one of 0, 90, 180*At page 3, replace line 27 with:*orientation equals 0 degrees, no orientation correction needs to be*At page 4, replace line 14 with:*standardizing chest radiographs in up~~[[-]]~~right position.*At page 4, replace line 25 with:*lateral exposure of the skull in 2~~[[]]~~D or 3D cerebral examination (MR,*At page 5, replace line 6 with:*Two coordinate systems are constructed at point $[[\vec{p} \ 0]]$ \vec{p}_0 : (1) the Frenet-*At page 5, replace line 24 with:*of the image is given in ~~[[fig. 1]]~~ Fig. 1.

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At page 9, replace line 10 with:

along the line is ~~(see fig. 2)~~ (see Fig. 2)

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At page 12, replace line 15 with:

depicted in ~~[[fig. 3]]~~ Fig. 3 and the following relationships further hold on

At page 16, replace line 27 with:

This vector operation is depicted in ~~[[fig. 4(b)]]~~ Fig. 4(b).

At page 17, replace line 9 with:

subtended angle θ_{ik} is depicted in ~~[[fig. 4(a)]]~~ Fig. 4(a) and is computed on the

At page 18, replace line 31 with:

According to ~~[[fig. 5]]~~ Fig. 5, the algorithm for detection of the

At page 22, replace line 12 with:

According to ~~[[fig. 6]]~~ Fig. 6a, the algorithm for detection of the

At page 22, line 37, insert:

For the LCC view given (Fig. 6b), the normals around the breast nipple point

At page 23, line 2, insert:

border). For the RMLO and LMLO view given (Figs. 6c, 6d), these normals point

At page 6, replace the sentence beginning on line 26 with:

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~~Edge-based~~ Edge-based algorithms separate image pixels in high contrast regions in the image according to gray value differences of neighboring regions.

At page 7, replace line 4 with:

divided roughly in either region-based or ~~edge-based~~ edge-based procedures.

At page 14, replace line 31 with:

property that holds on a ~~fourier~~ Fourier transform $F(f)$ of a signal $f(t)$,

At page 19, replace line 16 with:

axes parallel with the coordinate axes. In the example of ~~fig. xxx~~ Fig. 5,

At page 23, replace line 9 with:

voting mechanism, a single circle can be ~~fitted~~ fit to the edge data and